0 2 D 0

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/544,683

DATE: 05/02/2000
TIME: 13:00:29

Input Set : A:\99471 us.app
Output Set: N:\CRF3\050200\I544683.raw

ENTERED

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 3 <110> APPLICANT: JACOBS, ANTONIUS A.C.
 4         VAN DEN BOSCH, JOHANNES F.
 5         NUITJEN, PETRUS J.M.
 7 <120> TITLE OF INVENTION: CAMPYLOBACTER VACCINE
 9 <130> FILE REFERENCE: JACOBS
C--> 11 <140> CURRENT APPLICATION NUMBER: US/09/544,683
12 <141> CURRENT FILING DATE: 2000-04-07
14 <150> PRIOR APPLICATION NUMBER: EP99201086.8
15 <151> PRIOR FILING DATE: 1999-04-09
17 <160> NUMBER OF SEQ ID NOS: 2
19 <170> SOFTWARE: PatentIn Ver. 2.0
21 <210> SEQ ID NO: 1
22 <211> LENGTH: 125
23 <212> TYPE: PRT
24 <213> ORGANISM: Campylobacter jejuni
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30 Val Leu Glu Leu Ser Glu Leu Val Lys Glu Phe Glu Glu Lys Phe Gly
31              20                  25                  30
33 Val Ser Ala Ala Pro Val Met Val Ala Gly Gly Ala Val Ala Gly Gly
34          35                  40                  45
36 Ala Val Ala Ala Ala Glu Glu Lys Thr Glu Phe Asp Ile Val Leu Thr
37      50                  55                  60
39 Asp Gly Gly Ala Lys Lys Ile Glu Val Ile Lys Ile Val Arg Ala Leu
40  65                  70                  75                  80
42 Thr Gly Leu Gly Leu Lys Glu Ala Lys Asp Ala Val Glu Gln Thr Pro
43              85                  90                  95
45 Ser Thr Leu Lys Glu Gly Val Ala Lys Ala Glu Ala Glu Glu Ala Lys
46             100                 105                 110
48 Lys Gln Leu Glu Glu Ala Gly Ala Lys Val Glu Leu Lys
49             115                 120                 125
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53 <211> LENGTH: 545
54 <212> TYPE: PRT
55 <213> ORGANISM: Campylobacter jejuni
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61 Glu Gly Val Lys Lys Leu Asn Asp Ala Val Lys Val Thr Met Gly Pro
62              20                  25                  30
64 Arg Gly Arg Asn Val Leu Ile Gln Lys Ser Phe Gly Ala Pro Ser Ile
65          35                  40                  45
67 Thr Lys Asp Gly Val Ser Val Ala Lys Glu Val Glu Leu Lys Asp Ser
68      50                  55                  60
70 Leu Glu Asn Met Gly Ala Ser Leu Val Arg Glu Val Ala Ser Lys Thr
71  65                  70                  75                  80
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 73 Ala Asp Gln Ala Gly Asp Gly Thr Thr Thr Ala Thr Val Leu Ala His
 74              85                  90                  95
 76 Ala Ile Phe Lys Glu Gly Leu Arg Asn Ile Thr Ala Gly Ala Asn Pro
 77             100                 105                 110
 79 Ile Glu Val Lys Arg Gly Met Asp Lys Ala Cys Glu Ala Ile Val Ala
 80             115                 120                 125
 82 Glu Leu Lys Lys Leu Ser Arg Glu Val Lys Asp Lys Lys Glu Ile Ala
 83         130                 135                 140
 85 Gln Val Ala Thr Ile Ser Ala Asn Ser Asp Glu Lys Ile Gly Asn Leu
 86 145                 150                 155                 160
 88 Ile Ala Asp Ala Met Glu Lys Val Gly Lys Asp Gly Val Ile Thr Val
 89             165                 170                 175
 91 Glu Glu Pro Lys Ser Ile Asn Asp Glu Leu Asn Val Val Glu Gly Met
 92             180                 185                 190
 94 Gln Phe Asp Arg Gly Tyr Leu Ser Pro Tyr Phe Ile Thr Asn Ala Glu
 95         195                 200                 205
 97 Lys Met Thr Val Glu Leu Ser Ser Pro Tyr Ile Leu Leu Phe Asp Lys
 98     210                 215                 220
100 Lys Ile Thr Asn Leu Lys Asp Leu Leu Pro Val Leu Glu Gln Ile Gln
101 225                 230                 235                 240
103 Lys Thr Gly Lys Pro Leu Leu Ile Ile Ala Glu Asp Ile Glu Gly Glu
104                 245                 250                 255
106 Ala Leu Ala Thr Leu Val Val Asn Lys Leu Arg Gly Val Leu Asn Ile
107             260                 265                 270
109 Ser Ala Val Lys Ala Pro Gly Phe Gly Asp Arg Arg Lys Ala Met Leu
110         275                 280                 285
112 Glu Asp Ile Ala Ile Leu Thr Gly Gly Glu Val Ile Ser Glu Glu Leu
113     290                 295                 300
115 Gly Arg Thr Leu Glu Ser Ala Thr Ile Gln Asp Leu Gly Gln Ala Ser
116 305                 310                 315                 320
118 Ser Val Ile Ile Asp Lys Asp Asn Thr Thr Ile Val Asn Gly Ala Gly
119             325                 330                 335
121 Glu Lys Ala Asn Ile Asp Ala Arg Val Asn Gln Ile Lys Ala Gln Ile
122             340                 345                 350
124 Ala Glu Thr Thr Ser Asp Tyr Asp Arg Glu Lys Leu Gln Glu Arg Leu
125         355                 360                 365
127 Ala Lys Leu Ser Gly Gly Val Ala Val Ile Lys Val Gly Ala Thr Thr
128     370                 375                 380
130 Glu Thr Glu Met Lys Glu Lys Lys Asp Arg Val Asp Asp Ala Leu Ser
131 385                 390                 395                 400
133 Ala Thr Lys Ala Ala Val Glu Glu Gly Ile Val Ile Gly Gly Gly Ala
134             405                 410                 415
136 Ala Leu Ile Lys Ala Lys Ala Lys Ile Lys Leu Asp Leu Gln Gly Asp
137             420                 425                 430
139 Glu Ala Ile Gly Ala Ala Ile Val Glu Arg Ala Leu Arg Ala Pro Leu
140         435                 440                 445
142 Arg Gln Ile Ala Glu Asn Ala Gly Phe Asp Ala Gly Val Val Val Asn
143     450                 455                 460
145 Ser Val Glu Asn Ala Lys Asp Glu Asn Thr Gly Phe Asp Ala Ala Lys
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146 465                    470            475            480
148 Gly Glu Tyr Val Asn Met Leu Glu Ser Gly Ile Ile Asp Pro Val Lys
149                485            490            495
151 Val Glu Arg Val Ala Leu Leu Asn Ala Val Ser Val Ala Ser Met Leu
152            500            505            510
154 Leu Thr Thr Glu Ala Thr Ile Ser Glu Ile Lys Glu Asp Lys Pro Thr
155        515            520            525
157 Met Pro Asp Met Ser Gly Met Gly Gly Met Gly Gly Met Gly Gly Met
158    530            535            540
160 Met
161 545
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5/2/00

VERIFICATION SUMMARY   DATE: 05/02/2000
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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number